

L Number	Hits	Search Text	DB	Time stamp
-	222	(330/308 or 330/110 or 250/214 or 250/214AG).ccls. and (photodiode or photodetector) and amplifier	USPAT; US-PGPUB	2002/09/09 07:07
-	690	(current adj source) and (photodiode or photodetector) and (differential adj amplifier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/09/09 07:08
-	2626	(current adj source) and (sensor or photodiode or photodetector) and (differential adj amplifier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/09/09 07:09
-	167	((current adj source) and (sensor or photodiode or photodetector) and (differential adj amplifier)) and (330/\$.ccls.)	USPAT; US-PGPUB	2002/09/09 07:10
-	263	((current adj source) and (sensor or photodiode or photodetector) and (differential adj amplifier)) and (250/\$.ccls.)	USPAT; US-PGPUB	2002/09/09 08:44
-	143	(current adj source) and (sensor or photodiode or photodetector) and (differential adj amplifier)	EPO; JPO; DERWENT; IBM TDB	2002/09/09 10:12
-	690	(current adj source) and (photodiode or photodetector) and (differential adj amplifier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/09/09 10:14
-	47	(current adj source) and (photodiode or photodetector) and (differential adj amplifier)	EPO; JPO; DERWENT; IBM TDB	2002/09/09 10:14
-	643	(current adj source) and (photodiode or photodetector) and (differential adj amplifier)	USPAT; US-PGPUB	2002/09/09 14:59

Dialog DataStar

[options](#)[logoff](#)[feedback](#)[help](#)[databases](#)[easy search](#)

Advanced Search: INSPEC - 1969 to date (INZZ)

[limit](#)

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	photodiode AND current ADJ source AND amplifier	unrestricted	9	show titles

[hide history](#)Enter your search term(s): [Search tips](#)whole document Information added since: or: none
(YYYYMMDD)[search](#)

Select special search terms from the following list(s):

- ☐ Classification codes A: Physics, 0-1
- ☐ Classification codes A: Physics, 2-3
- ☐ Classification codes A: Physics, 4-5
- ☐ Classification codes A: Physics, 6
- ☐ Classification codes A: Physics, 7
- ☐ Classification codes A: Physics, 8
- ☐ Classification codes A: Physics, 9
- ☐ Classification codes B: Electrical & Electronics, 0-5
- ☐ Classification codes B: Electrical & Electronics, 6-9
- ☐ Classification codes C: Computer & Control, 0-9
- ☐ Classification codes D: Information Technology, 0-9
- ☐ Treatment codes
- ☐ INSPEC sub-file
- ☐ Publication types
- ☐ Language of publication

Dialog DataStar

[options](#)[logoff](#)[feedback](#)[help](#)[databases](#)[search
page](#)[titles](#)

Document

Select the documents you wish to save or order by clicking the box next to the document, or click the link above the document to order directly.

locally as: ☐ include search strategy☐ Select All

- 1 Teaching about photodetection noise sources in the laboratory.
- 2 A new MOS imager using photodiode as current source.
- 3 Single-channel current simulation and recording using a photodiode as current
- 4 A multi-channel, optically coupled spark-gap monitor system.
- 5 Extend dynamic range of a V/F converter.
- 6 Automatic gain control for a silicon avalanche photodiode using a constant
- 7 Monolithic light sensors progress rapidly.
- 8 Reproduction of optical sound tracks.
- 9 A germanium avalanche photodetector for 1.06 microns.

☐ document 1 of 9 [Order Document](#)

INSPEC - 1969 to date (INZZ)

Accession number & update

5914168, A9812-0150-035, B9806-0120-064; 980519.

Title

Teaching about photodetection noise sources in the laboratory.

Author(s)Jacobowicz-L; Roch-J-F; Poizat-J-P; Grangier-P.**Author affiliation**

Inst d'Opt, Ecole Superieure d'Opt, Orsay, France.

Source

Fifth International Topical Meeting on Education and Training in Optics, Delft, Netherlands, 19-21 Aug. 1997.
Sponsors: SPIE, ICO, Quantoptica Found., Philips Res. Centre for Tech. Training, TNO, ODME.
In: Proceedings-of-the-SPIE-The-International-Society-for-Optical-Engineering (USA), vol.3190, p.166-78, 1997.

CODEN

PSISDG.

ISSN

ISSN: 0277-786X, CCCC: 0277-786X/97/ (\$10.00).

Availability

SICI: 0277-786X(1997)3190L:166:TAPN; 1-#.

Publication year

1997.

Language

EN.

Publication type

CPP Conference Paper, J Journal Paper.

Treatment codes

X Experimental.

Abstract

The authors describe simple experiments that allow students to observe, identify, understand and measure different noise sources

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore™
RELEASE 1.4Welcome
United States Patent and Trademark Office[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)[Quick Links](#)

Welcome to IEEE Xplore™

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account

Print Format

Your search matched 20 of 797225 documents.

Results are shown 15 to a page, sorted by **publication year** in descending order.

You may refine your search by editing the current search expression or entering a new one in the text box.

Then click **Search Again**.

Results:

Journal or Magazine = JNL Conference = CNF Standard = STD

1 A nonlinear optical preamplifier for sensing applications*Hayes, M.J.*Circuits and Systems I: Fundamental Theory and Applications, IEEE Transactions on , Volume: 49
Jan. 2002

Page(s): 1 -9

[\[Abstract\]](#) [\[PDF Full-Text \(296 KB\)\]](#) [JNL](#)**2 A 2.5 Gb/s low-power CMOS optoelectronic transceiver for optical communications***Cheng-Ta Chan; Jen-Shang Hwang; Chen, O.T.-C.*Circuits and Systems, 2001. MWSCAS 2001. Proceedings of the 44th IEEE 2001 Midwest Sympo
Volume: 1 , 2001

Page(s): 381 -384 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(302 KB\)\]](#) [CNF](#)**3 Bandwidth extension in CMOS with optimized on-chip inductors***Mohan, S.S.; Hershenson, M.D.M.; Boyd, S.P.; Lee, T.H.*

Solid-State Circuits, IEEE Journal of , Volume: 35 Issue: 3 , March 2000

Page(s): 346 -355

[\[Abstract\]](#) [\[PDF Full-Text \(352 KB\)\]](#) [JNL](#)**4 Laser diode driver with 5-decade range***Rudd, E.P.*

Instrumentation and Measurement, IEEE Transactions on , Volume: 49 Issue: 1 , Feb. 2000

Page(s): 2 -4

[\[Abstract\]](#) [\[PDF Full-Text \(76 KB\)\]](#) JNL

5 Analytical expression for the equivalent input noise current spectral density of HBT distributed amplifier based optical receivers

Iqbal, A.; Darwazeh, I.Z.

Opto-Electronic Interfacing at Microwave Frequencies (Ref. No. 1999/045), IEE Colloquium on , 1
Page(s): 2/1 -210

[\[Abstract\]](#) [\[PDF Full-Text \(700 KB\)\]](#) CNF

6 A 2.125 Gbaud 1.6 k/spl Omega/ transimpedance preamplifier in 0.5 /spl mu/m CMOS

Mohan, S.S.; Lee, T.H.

Custom Integrated Circuits, 1999. Proceedings of the IEEE 1999 , 1999
Page(s): 513 -516

[\[Abstract\]](#) [\[PDF Full-Text \(360 KB\)\]](#) CNF

7 Bootstrapping techniques to improve the bandwidth of transimpedance amplifiers

Hoyle, C.; Peyton, A.

Analog Signal Processing (Ref. No. 1998/472), IEE Colloquium on , 1998
Page(s): 7/1 -7/6

[\[Abstract\]](#) [\[PDF Full-Text \(364 KB\)\]](#) CNF

8 Noise analysis for position-sensitive detectors

Narayanan, C.; Buckman, A.B.; Busch-Vishniac, I.

Instrumentation and Measurement, IEEE Transactions on , Volume: 46 Issue: 5 , Oct. 1997
Page(s): 1137 -1144

[\[Abstract\]](#) [\[PDF Full-Text \(704 KB\)\]](#) JNL

9 The opto-electronic high-frequency transistor and circuit applications

Vanisri, T.; Toumazou, C.

RF Design Scene, IEE Colloquium on , 1996
Page(s): 2/1 -211

[\[Abstract\]](#) [\[PDF Full-Text \(520 KB\)\]](#) CNF

10 Integrated high frequency low-noise current-mode optical transimpedance preamplifiers practice

Vanisri, T.; Toumazou, C.

Solid-State Circuits, IEEE Journal of , Volume: 30 Issue: 6 , June 1995
Page(s): 677 -685

[\[Abstract\]](#) [\[PDF Full-Text \(724 KB\)\]](#) [JNL](#)

11 Noise performance and chopper frequency in integrated micromachined chopper-detector
Wolffenbuttel, R.F.; de Graaf, G.

Instrumentation and Measurement, IEEE Transactions on , Volume: 44 Issue: 2 , April 1995

Page(s): 451 -453

[\[Abstract\]](#) [\[PDF Full-Text \(224 KB\)\]](#) [JNL](#)

12 Low-noise photodiode-amplifier circuit

Hyypä, K.; Ericson, K.

Solid-State Circuits, IEEE Journal of , Volume: 29 Issue: 3 , March 1994

Page(s): 362 -365

[\[Abstract\]](#) [\[PDF Full-Text \(264 KB\)\]](#) [JNL](#)

13 Analysis of the transistor-related noise in integrated p-i-n-HBT optical receiver front-end

Liu, Q.Z.; Pulfrey, D.L.; Jackson, M.K.

Electron Devices, IEEE Transactions on , Volume: 40 Issue: 12 , Dec. 1993

Page(s): 2204 -2210

[\[Abstract\]](#) [\[PDF Full-Text \(584 KB\)\]](#) [JNL](#)

14 An InGaAs/InP p-i-n-JFET OEIC with a wing-shaped p⁺/InP layer

Park, K.-S.; Oh, K.-R.; Kim, J.-S.; Lee, Y.-T.; Kim, S.-J.; Kwon, Y.-S.

IEEE Photonics Technology Letters , Volume: 4 Issue: 4 , April 1992

Page(s): 387 -389

[\[Abstract\]](#) [\[PDF Full-Text \(228 KB\)\]](#) [JNL](#)

15 A new MOS imager using photodiode as current source

Kyomasu, M.

Solid-State Circuits, IEEE Journal of , Volume: 26 Issue: 8 , Aug. 1991

Page(s): 1116 -1122

[\[Abstract\]](#) [\[PDF Full-Text \(608 KB\)\]](#) [JNL](#)

1 [2 \[Next\]](#)